M.A.R. 57 (Rule 116)

Measurement Book No. A/10 37176

Serial No..... Bill no 1- 1st and part.

Name of work..... From..... To.....

Name of Contractor of nature of Agency.....

Date of commencement of work..... Tatanagar main Road

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Name of work:- Repair and Improvements to roads and drains and footpath of Tatanagar main road in ward no. 08 Kodigehalli						
	A/S No 1- CE(RE)/ADM/AS/166/19-20 Dt:- 23.10.2019.						
	T/S No 1- CE(RE)/TS/123/19-20 Dt:- 23.10.2019						
	Job number:- 008-20-000036 (P-2902)						
	work order no:- CE/RE-YNK/WO/13/19-20 Dt:- 18/12/2019.						
	Est. Cost:- Rs. 100.00 lakhs.						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
	Agency :- Executive Engineer-4 KRIDL, BRM Division, Sri Shivakumar Swamy Nilaya No.280, 5th Cross, 17th 'C' main road, 2nd 'A' Block, Rajaji nagara, Bangalore.						
	"For measurements please refer 1st and part E&MB Excel sheet Booklet Enclosed in Original file"						
(1)	Removing and refixing slabs stones of drains and pointing in CM(1:3) with all lead & lift and as per the direction of engineer in charge.						
	vide Item no (1) Page no. (1) of Excel sheet Booklet					239.25 Sqmt.	
	@ Rs. 111=30					26625=53	
(2)	Earthwork excavation by manual means in roads, drains, sinitar works in ordinary soil excavated surplus levelled and sides neatly dressed. the						

M.A.R. 57 (Rule 116)

Measurement Book No. A/10 37177

Serial No.....

Name of work..... From..... To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
	disposed earth to be as per specification	levelled	neatly	after	breaking of clods complete		
		vide Item no (2) Page no (2) of Excel sheet booklet				96.00 Cum.	
		@ Rs. 214=50				20592=15	
3.	Providing granite slabs of selected quality roughly chiseled and fixed in CM(1:6) including proper curing etc.						
		vide Item no (3) Page no (2) of Excel sheet booklet				90.75 Sqmt.	
		@ Rs. 742=00				67336=50	

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
4.	Providing and laying plain cement concrete of mix 1:3:6 with OPC @ 220 kgs with crushed 40 mm and down size graded granite metal coarse aggregate @ 0.89 Cum and fine aggregate @ 0.46 Cum. in foundation mechanically mixed	Qty vide item no (4) pg no. (4) of Excel sheet booklet				: 5.20 Cum.	
		@ Rs. 5421-90/-				= 28180-33/-	
5.	Providing and constructing granite/trap basalt rich stone masonry in foundation with cement mortar 1:6 stone hammered dressed in courses not less than 20 cms height bond stones at 2m apart in each course	Qty vide item no (5) pg no. (5) of Excel sheet booklet				: 16.63 Cum.	
		@ Rs. 4871-76/-				= 81027-11/-	
6.	Providing and laying in position plain cement concrete of mix 1:2:4 with Cement @ 240 kgs with 20 mm and down size graded granite metal Coarse aggregate @ 0.69 Cum and fine aggregate @ 0.459 Cum, machine mixed.						

M.A.R. 57 (Rule 116)

Measurement Book No. A/10 37178

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
		Qty vide item no (6) pg no. (6) of Excel sheet booklet				: 3.57 Cum.	
		@ Rs. 5591-96/-				= 19797-33/-	
7)	Providing and fixing RCC precast cover slab of 250 mm thick for drain in cement concrete M20 using graded granite jelly down and down 472 with steel reinforcement, including form work, &c	Qty vide item no (7) pg no. (18) of Excel sheet booklet				: 27.72 Sqmt	
		@ Rs. 3640-00/-				= 100900-80/-	

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MEASUREMENT BOOK

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
8.	Excavation for roadway in all types of soil by mechanical means including cutting and loading to tippers trimming bottom and side slopes, in accordance with requirement of lines, grades and cross section and transportation with a lead of 6.00 Km Qty vide Item no (2) Pg.no (7) of excel sheet booklet					9519.0 Cum. @ Rs. 57=03 P = 542687=70 P	
9.	Scarifying bituminous course 50mm to 75mm thick along with premix/carpet surface dressing by mechanical means attached with scarifier without disturbing the base and sweeping the debris including cost of all labours charges Qty vide Item no (4) Pg.no (8) of Excel sheet booklet					1100.31 Sqmt Rs. 41=34/- = 45486=82/-	

M.A.R. 57 (Rule 116)

Measurement Book No. A/10 37179

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
10.	Construction of granular sub-base grading-I as sub-base and drainage layer by providing coarse graded crushed stone aggregate of granite /trap/basalt material, mixing by mix in place method by rotavator at OMC, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98% proctor density Qty vide Item no (10) Pg.no (9) of Excel sheet booklet					238.97 Cum. @ Rs. 1855=00 P = 443575=18 P	

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
11)	Providing, laying, spreading and compacting crushed stone aggregate of granite/trap/basalt to wet mix macadam specification including dry mixing the material with water at site in mechanical mix plant carriage of mixed materials by tipper to site.						
	Qty vide Item no (11) Pg no (10) of Excel sheet booklet					: 343.46 Cum.	
	@ Rs. 200/- = 25/-						68736.9 = 13/-
12)	Providing and applying primer coat with SS bitumen emulsion on prepared surface of granular base such as WBM, WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg/sq.m using mechanical means						
	Qty vide Item no (12) Pg no (11) of Excel sheet booklet					: 1579.79 Sq.mt.	
	@ Rs. 29-68/- =						46888.02/-

M.A.R. 57 (Rule 116)

Measurement Book No. A/10 37180

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
13)	Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and /or compressed air to receive bituminous treatment including cost of all materials						
	Qty vide Item no (13) Pg no (12) of Excel sheet booklet					: 2557.1 Sq.mt.	
	@ Rs. 5-20/- =						13552-68/-
14)	Preparing and applying tack coat using 80/100 (VG 10) grade bitumen on the prepared black topped surface at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set including cost of all materials						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
	city vide Item no (14) pg no (12) of Excel sheet booklet					: 4136.96 sq mt.	
	@ Rs. 12.72 =					= 52621.30	
15	Providing and laying dence graded bituminous macadam using crushed aggregates of specified grading premixed with VG 30 grade bitumen binder and transporting the hot mix to work site, laying to the required grade, level and alignment rolling with smooth wheeled, vibratory & tandem rollers to achieve the desired compaction						
	city vide Item no (15) pg no (14) of Excel sheet booklet					: 157.52 cum	
	@ Rs. 6858 = 20					= 1080288 = 23	

M.A.R. 57 (Rule 116)

Measurement Book No. A/10 37181

Serial No.....

Name of work..... From..... To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
14	Providing & laying bituminous Concrete 40mm mix plant, using crushed aggregate of specified grading premixed with bituminous binder & filler, transporting the hot mix to work site laying with a paver finisher to the required grade, level & alignment, rolling with smooth wheeled roller to achieve the desired compaction.						
	city vide Item no (16) pg no. (21) of Excel sheet booklet					: 165.48 cum	
	@ Rs. 2049 = 64					= 1332020 = 32	
	Total Amount =						4047662 = 43

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
						Total Amount 4047663=43	
						Add 4%. KRIDL charges = 161906=54	
						Add 12%. GST charges = 485719=61	
						46,95,288 — 4695287=54	

Rupees forty Six Lakhs ninety five thousand Two hundred Eighty nine only/-.

AE 08/05/2020

Assistant Executive Engineer
Road Infrastructure, (Yelahanka Division)
Bhuhat Bengaluru Mahanagara Palike
Bengaluru - 02.

M.A.R. 57 (Rule 116)

Measurement Book No. A/10

37182

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Certificate:-						
	1. certified that the Contractor has carried out the work satisfactorily						
	2. Certified that the Contractor has cleared the debries from work sit						
	3. certified that there is NO departmental dues from the contracto						

AE 08/05/2020

Assistant Executive Engineer
Road Infrastructure, (Yelahanka Division)
Bhuhat Bengaluru Mahanagara Palike
Bengaluru - 02.

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8

BILL AMOUNT	46,95,288/-
DEDUCTIONS	
INCOME TAX	62884/-
CGST	41922/-
SGST	41922/-
F.S.D.	234764/-
L.C	41922/-
CBF	4192/-
ADVANCE/Royalty	117411/-
FINE	- NIL -
OTHER	- NIL -
otal Deductions	545017/-
Net Payable	4150271/-

Bill Passed

Passed for Rs. 46,95,288/- only

Net Cheque Rs. 41,50,271/- only

Rs. in words. Forty one lakhs Fifty Thousand Two Hundred and Seventy one only/-

Adjustment Rs. 5,45,017/- only

RI-YNK

RI-YNK

Assistant Executive Engineer,
R.R. Nagar, Sub-Division,
KRIDL, BBMP, Bangalore

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